
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Fri Aug 03 18:17:33 EDT 2007

Validated By CRFValidator v 1.0.2

Application No: 10597914 Version No: 1.0

Input Set:

Output Set:

Started: 2007-08-03 17:21:53.537

Finished: 2007-08-03 17:21:55.691

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 154 ms

Total Warnings: 54

Total Errors: 0

No. of SeqIDs Defined: 106

Actual SeqID Count: 106

Err	or code	Error Descript	ion								
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(51)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(52)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(53)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(54)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(55)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(56)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(57)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(59)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(60)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(61)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(62)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(63)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(64)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(65)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(67)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(68)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(69)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(70)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(71)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(72)

Input Set:

Output Set:

Started: 2007-08-03 17:21:53.537

Finished: 2007-08-03 17:21:55.691

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 154 ms

Total Warnings: 54

Total Errors: 0

No. of SeqIDs Defined: 106

Actual SeqID Count: 106

Error code Error Description

This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

<110		Repre HODGI TRIPI	ES, E	Robei	rt S	Gree	enle	e, W:	inne:	r and	d Sul	lliva	an, l	P.C.			
<120		COMP						FOR	MOD:	IFIC	10ITA	INA V) PRI	EVEN	LION	OF	SARS
<130	>	6-04	WO														
<140 <141		1059 ⁻ 2007-		03													
<150 <151		PC:			ssigr	ned)											
		US 60 2004-)												
<160	>	106															
<170	> :	Pater	ntIn	vers	sion	3.3											
<210		1															
<211		3768															
<212		DNA				1											
<213	>	SARS	cord	onav:	irus	Urba	ani										
<220 <221 <222	>	CDS	. (370	68)													
. 100		-															
<400 atg		1	t t a	++>	++=	+++	at t	act	ata	act	2 a t	aat	a a t	a a c	at t		48
Met											_		_	_			40
_				9					10					13			
gac	cgg	tgc	acc	act	ttt	gat	gat	gtt	caa	gct	cct	aat	tac	act	caa		96
Asp	Arg	Cys	Thr	Thr	Phe	Asp	Asp	Val	Gln	Ala	Pro	Asn	Tyr	Thr	Gln		
			20					25					30				
		tca		_			-				_	-			_		144
His	Thr	Ser	Ser	Met	Arg	Gly		Tyr	Tyr	Pro	Asp		Ile	Phe	Arg		
		35					40					45					
tca	aac	act	ctt	tat	tta	act	cad	gat	tta	+++	ctt	cca	+++	tat	tct		192
	_	Thr					_	_									
	50	·		_		55		_			60			4			
aat	gtt	aca	aaa	ttt	cat	act	att	aat	cat	acg	ttt	ggc	aac	cct	gtc		240
	Val	Thr	Gly	Phe		Thr	Ile	Asn	His		Phe	Gly	Asn	Pro			
65					70					75					80		
at a	cc+	ttt	224	a+	aa+	at+	t at	+++	ac+	acc	aca	nan	222	t c =	aa+		288
		Phe	_	_					-	_							200

90 95

-	gtc	_			-					_			_		-	336
Val	Val	Arg	_	Trp	Val	Phe	Gly		Thr	Met	Asn	Asn	_	Ser	Gln	
			100					105					110			
																201
_	gtg									-	_		-	_	_	384
Ser	Val		Ile	Ile	Asn	Asn		Thr	Asn	Val	Val		Arg	Ala	Cys	
		115					120					125				
aac	ttt	gaa	ttg	tgt	gac	aac	cct	ttc	ttt	gct	gtt	tct	aaa	CCC	atg	432
Asn	Phe	Glu	Leu	Суз	Asp		Pro	Phe	Phe	Ala		Ser	Lys	Pro	Met	
	130					135					140					
																400
	aca	_				_			_		_			_		480
_	Thr	GIn	Thr	Hls		Met	lle	Phe	Asp		Ala	Phe	Asn	Cys		
145					150					155					160	
	gag				-	-		_		-	-		-	_		528
Phe	Glu	Tyr	Ile		Asp	Ala	Phe	Ser		Asp	Val	Ser	GLu	-	Ser	
				165					170					175		
	aat					_								_		576
Gly	Asn	Phe	_	His	Leu	Arg	Glu		Val	Phe	Lys	Asn	_	Asp	Gly	
			180					185					190			
	ctc		_		_						-	-	-	_	-	624
Phe	Leu	_	Val	Tyr	Lys	Gly	_	Gln	Pro	Ile	Asp		Val	Arg	Asp	
		195					200					205				
																68.0
	cct -						_					_	_			672
Leu	Pro	Ser	GLy	Phe	Asn		Leu	Lys	Pro	Ile		Lys	Leu	Pro	Leu	
	210					215					220					
																700
	att						_	-				-				720
_	Ile	Asn	ITE	ınr		Pne	Arg	Ala	IIe		ınr	Ala	Pne	ser		
225					230					235					240	
																7.00
_	caa	-				_		_	-	-			-			768
Ala	Gln	Asp	ITE		GTA	Thr	ser	Ala	Ala	Ala	Tyr	Pne	vaı	GIY	Tyr	
									252		-			0.55		
				245					250		_			255		
						- 4										016
	aag			aca		-		-	tat	-	gaa	aat	ggt	aca		816
	aag Lys		Thr	aca		-		Lys	tat	-	gaa	aat	ggt Gly	aca		816
	_			aca		-		-	tat	-	gaa	aat	ggt	aca		816
Leu	Lys	Pro	Thr 260	aca Thr	Phe	Met	Leu	Lys 265	tat Tyr	Asp	gaa Glu	aat Asn	ggt Gly 270	aca Thr	Ile	
Leu aca	Lys	Pro gct	Thr 260 gtt	aca Thr	Phe tgt	Met	Leu caa	Lys 265 aat	tat Tyr cca	Asp	gaa Glu gct	aat Asn gaa	ggt Gly 270	aca Thr	Ile tgc	816
Leu aca	Lys	Pro gct Ala	Thr 260 gtt	aca Thr	Phe tgt	Met	Leu caa Gln	Lys 265 aat	tat Tyr cca	Asp	gaa Glu gct	aat Asn gaa Glu	ggt Gly 270	aca Thr	Ile tgc	
Leu aca	Lys	Pro gct	Thr 260 gtt	aca Thr	Phe tgt	Met	Leu caa	Lys 265 aat	tat Tyr cca	Asp	gaa Glu gct	aat Asn gaa	ggt Gly 270	aca Thr	Ile tgc	
Leu aca Thr	Lys gat Asp	Pro gct Ala 275	Thr 260 gtt Val	aca Thr gat Asp	Phe tgt Cys	Met tct Ser	Leu caa Gln 280	Lys 265 aat Asn	tat Tyr cca Pro	Asp ctt Leu	gaa Glu gct Ala	aat Asn gaa Glu 285	ggt Gly 270 ctc Leu	aca Thr aaa Lys	Ile tgc Cys	864
Leu aca Thr	Lys gat Asp	gct Ala 275	Thr 260 gtt Val	aca Thr gat Asp	Phe tgt Cys	Met tct Ser	Leu caa Gln 280 gac	Lys 265 aat Asn	tat Tyr cca Pro	Asp ctt Leu	gaa Glu gct Ala	aat Asn gaa Glu 285 cag	ggt Gly 270 ctc Leu	aca Thr aaa Lys	Ile tgc Cys	
Leu aca Thr	Lys gat Asp gtt Val	gct Ala 275	Thr 260 gtt Val	aca Thr gat Asp	Phe tgt Cys	tct Ser att	Leu caa Gln 280 gac	Lys 265 aat Asn	tat Tyr cca Pro	Asp ctt Leu	gaa Glu gct Ala tac Tyr	aat Asn gaa Glu 285 cag	ggt Gly 270 ctc Leu	aca Thr aaa Lys	Ile tgc Cys	864
Leu aca Thr	Lys gat Asp	gct Ala 275	Thr 260 gtt Val	aca Thr gat Asp	Phe tgt Cys	Met tct Ser	Leu caa Gln 280 gac	Lys 265 aat Asn	tat Tyr cca Pro	Asp ctt Leu	gaa Glu gct Ala	aat Asn gaa Glu 285 cag	ggt Gly 270 ctc Leu	aca Thr aaa Lys	Ile tgc Cys	864
aca Thr tct Ser	gat Asp gtt Val 290	gct Ala 275 aag Lys	Thr 260 gtt Val agc Ser	aca Thr gat Asp ttt Phe	tgt Cys gag Glu	tct Ser att Ile 295	caa Gln 280 gac Asp	Lys 265 aat Asn aaa Lys	tat Tyr cca Pro gga Gly	Asp ctt Leu att Ile	gaa Glu gct Ala tac Tyr 300	aat Asn gaa Glu 285 cag Gln	ggt Gly 270 ctc Leu acc	aca Thr aaa Lys tct Ser	tgc Cys aat Asn	912
Leu aca Thr tct Ser	Lys gat Asp gtt Val 290 agg	gct Ala 275 aag Lys	Thr 260 gtt Val agc Ser	aca Thr gat Asp ttt Phe	tgt Cys gag Glu	tct Ser att Ile 295	caa Gln 280 gac Asp	Lys 265 aat Asn aaa Lys	tat Tyr cca Pro gga Gly	Asp ctt Leu att Ile	gaa Glu gct Ala tac Tyr 300	aat Asn gaa Glu 285 cag Gln	ggt Gly 270 ctc Leu acc Thr	aca Thr aaa Lys tct Ser	tgc Cys aat Asn	864
Leu aca Thr tct Ser	gat Asp gtt Val 290	gct Ala 275 aag Lys	Thr 260 gtt Val agc Ser	aca Thr gat Asp ttt Phe	tgt Cys gag Glu	tct Ser att Ile 295	caa Gln 280 gac Asp	Lys 265 aat Asn aaa Lys	tat Tyr cca Pro gga Gly	Asp ctt Leu att Ile	gaa Glu gct Ala tac Tyr 300	aat Asn gaa Glu 285 cag Gln	ggt Gly 270 ctc Leu acc Thr	aca Thr aaa Lys tct Ser	tgc Cys aat Asn	912

	_	_			gga Gly		_			-						1008
-		-			aga Arg						_	-	-	-		1056
					tca Ser							_	_			1104
-		-		_	ttg Leu		-		-				-		_	1152
-			_	_	aag Lys 390		-	_	-	_						1200
			-		gct Ala	-					_		-	-		1248
_		_	-		gct Ala							_	-			1296
					tat Tyr						_			_		1344
				-	gac Asp	_								-		1392
		_			cct Pro 470	_			_						_	1440
					act Thr									_	_	1488
-	-				gaa Glu				-	_	_	_	-	_		1536
					gac Asp			_		_	_	-				1584
					ggt Gly											1632

ttt d Phe 0 545								-	-	-		-			_	1680
tcc q	-	_	_					_			_				_	1728
tct t Ser E				-	-	_							-			1776
gaa q Glu V	-	_	_				_	-		_		-	-			1824
gca a			_	-					-		_					1872
gga a Gly <i>I</i> 625			-		_			-		_				-		1920
cat o	_	-					_	_					-			1968
tgt q Cys <i>I</i>	-	_				-				_	_		_			2016
tct a			_			_				_	_	_			=	2064
tac t Tyr S						-								_		2112
act a		-	_	_		_		_	_				-	-	-	2160
aat a Asn N	_			-		-			-	-	-		_			2208
caa t Gln 1			_		_					_	_					2256
gct q Ala A	-	-		-	-			-	-			-		-		2304
caa a	atg	tac	aaa	acc	cca	act	ttg	aaa	tat	ttt	ggt	ggt	ttt	aat	ttt	2352

Gln	Met 770	Tyr	Lys	Thr	Pro	Thr 775	Leu	Lys	Tyr	Phe	Gly 780	Gly	Phe	Asn	Phe	
					gac Asp 790			_			_					2400
, ,	_	_			aat Asn	_				-	_	_			_	2448
_				-	tgc Cys			-			_	_	_			2496
-		_	_		aat Asn					_			_			2544
_	-	_		-	gcc Ala			-	-		-	-			-	2592
	-				ttt Phe 870		-		-	-						2640
-	_		_	-	tat Tyr							_				2688
_					caa Gln				-					_	2 2	2736
	_				gaa Glu								-	_		2784
_	_		-	-	gtt Val		_		-		_					2832
_				_	tct Ser 950				-			_				2880
_			_	_	ctt Leu	_		-				-			=	2928
					aga Arg			-					-			2976
_		_		-	gct Ala	-			g gct g Ala		_				ct gct la Ala	3024

995 1000 1005

	aaa Lys 1010	_			_	-					aaa Lys 1020	_	_	-	3069
	tgt Cys 1025		_			cac His 1030		_			cca Pro 1035		gca Ala	_	3114
_	cat His 1040		_	-				-	_		gtg Val 1050			_	3159
	agg Arg 1055							-		-	cat His 1065	_	ggc Gly		3204
	tac Tyr 1070			_	_		_				aat Asn 1080		act Thr		3249
	ttt Phe 1085			_							caa Gln 1095		att Ile		3294
	gac Asp 1100				-	tca Ser 1105			_	-	gtc Val 1110	-	att Ile		3339
	att Ile 1115				-	tat Tyr 1120	-		_		cct Pro 1125		ctc Leu	-	3384
	ttc Phe 1130		-		_	gac Asp 1135	_				aat Asn 1140		aca Thr		3429
	gat Asp 1145	-	-			gac Asp 1150					aac Asn 1155	-		-	3474
_	aac Asn 1160				_	att Ile 1165	-	-			gag Glu 1170	-	gct Ala		3519
	tta Leu 1175		_				-			-	ttg Leu 1185		aaa Lys		3564
	caa Gln 1190					cct Pro 1195			-		ctc Leu 1200		ttc Phe		3609
-	gga Gly 1205			-		gtc Val 1210	_	_			ttg Leu 1215		tgt Cys	-	3654

atg act agt tgt tgc agt tgc ctc aag